

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082918\
 Data File : VV007257.D
 Acq On : 29 Aug 2018 14:55
 Operator : SY/MD
 Sample : J4649-08MSD
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 30 04:43:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 30 04:42:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	217172	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	219326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95838	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69068	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	62857	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	138393	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	3.97	46	230061	59.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.54%
24) Chloroform-d	4.41	84	160264	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.09	65	84037	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.10	84	299930	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	105295	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.36	98	227125	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.67	79	33111	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.15	63	108817	57.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.88%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	84317	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	97272	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.14	96	85460	6.503 ug/L	93
13) Acetone	2.21	43	10051	5.207 ug/L	90
21) 2-Butanone	4.05	43	5453	1.359 ug/L	96
25) Chloroform	4.43	83	12230	0.410 ug/L	99
33) Benzene	5.15	78	395486	6.087 ug/L	100
34) Trichloroethene	5.96	95	91179	5.564 ug/L	99
35) Methylcyclohexane	6.12	83	24923	1.040 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	10833	0.628 ug/L #	85
38) Bromodichloromethane	6.56	83	9005	0.436 ug/L	98
42) Toluene	7.44	91	376137	5.896 ug/L	99
47) Tetrachloroethene	8.03	164	3132	0.231 ug/L	94
48) 2-Hexanone	8.20	43	29165	4.327 ug/L #	81
49) Dibromochloromethane	8.02	129	3182	0.227 ug/L #	10
51) Chlorobenzene	8.93	112	246685	5.688 ug/L	99
52) Ethylbenzene	9.06	91	677179	10.568 ug/L	100
53) m,p-xylene	9.19	106	862302	35.337 ug/L	100
54) o-xylene	9.59	106	455887	20.074 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082918\
Data File : VV007257.D
Acq On : 29 Aug 2018 14:55
Operator : SY/MD
Sample : J4649-08MSD
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 30 04:43:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 30 04:42:02 2018
Response via : Initial Calibration

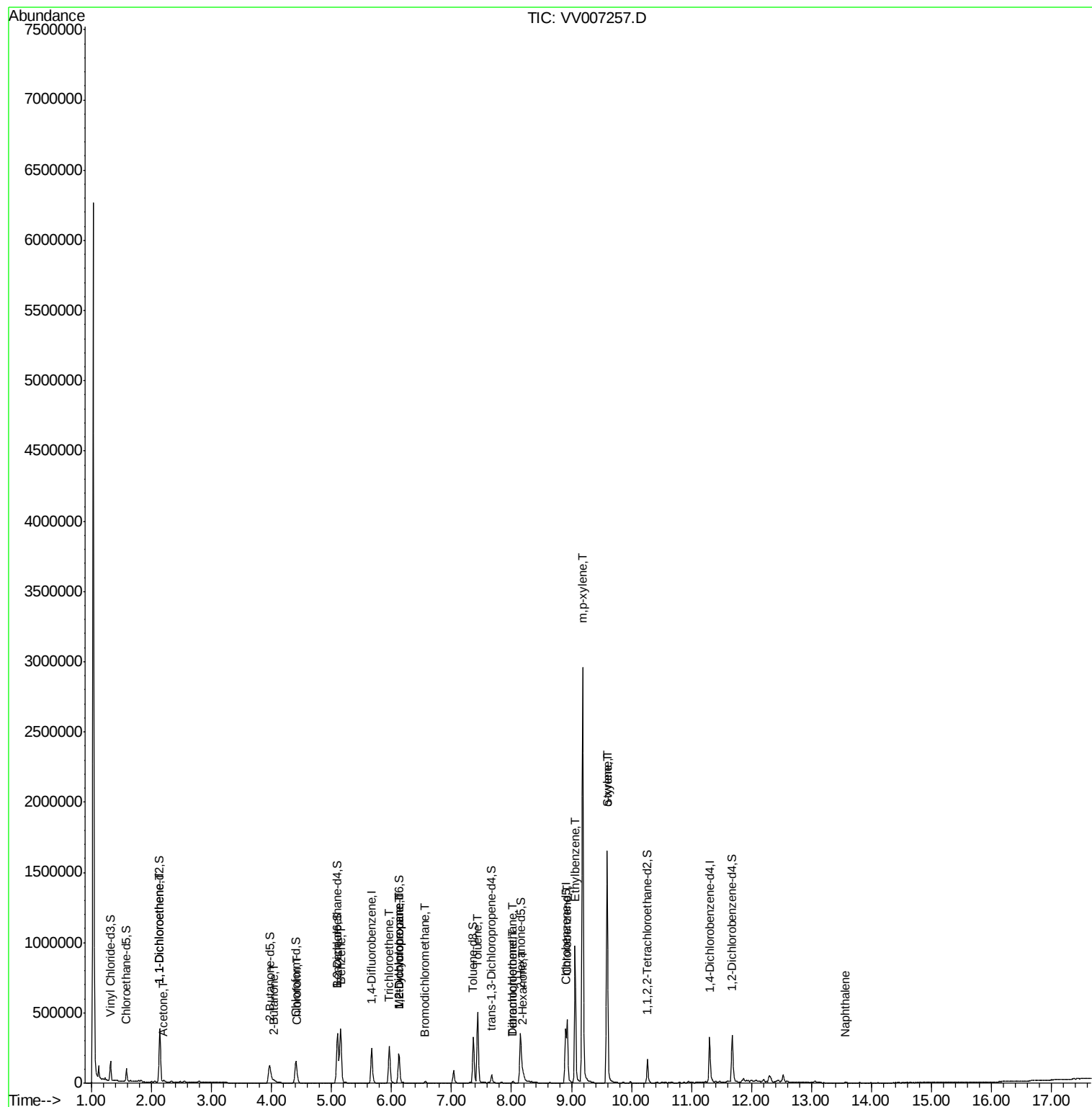
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.59	104	28500	0.716	ug/L #	1
69) Naphthalene	13.57	128	6085	0.344	ug/L	99

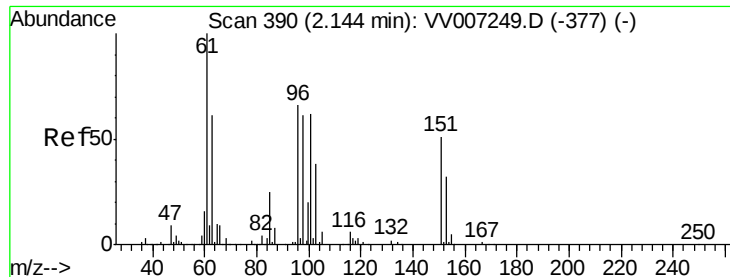
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082918\
Data File : VV007257.D
Acq On : 29 Aug 2018 14:55
Operator : SY/MD
Sample : J4649-08MSD
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 30 04:43:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 30 04:42:02 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 6.503 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

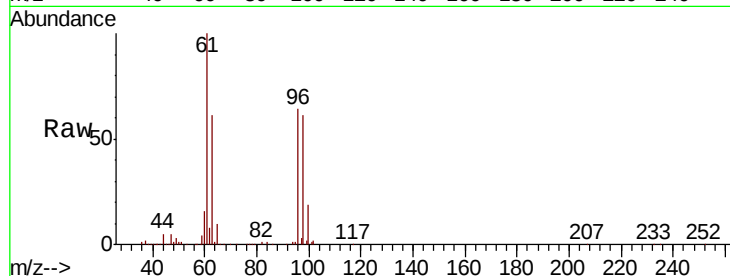
Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 85460

Ion	Ratio	Lower	Upper
96	100		
61	155.1	112.3	208.5
63	94.7	75.4	140.0

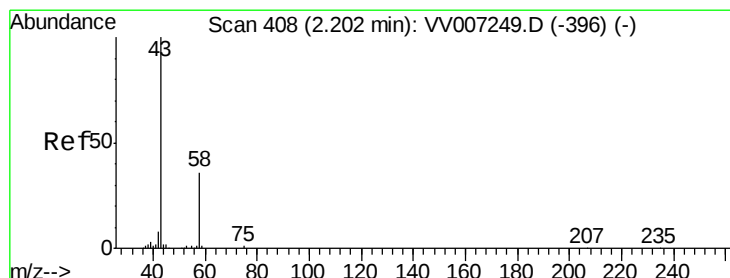
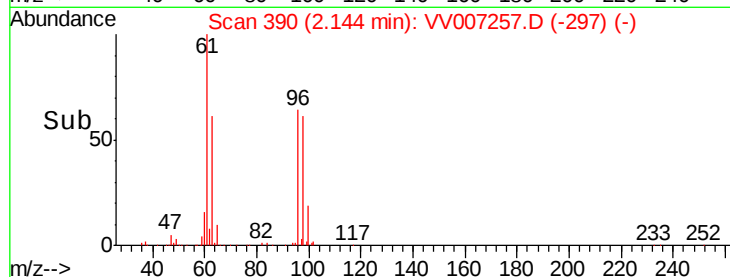
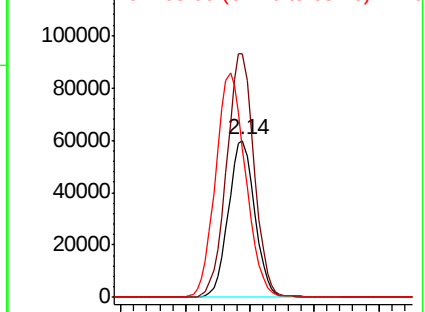


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 5.207 ug/L

RT: 2.21 min Scan# 409

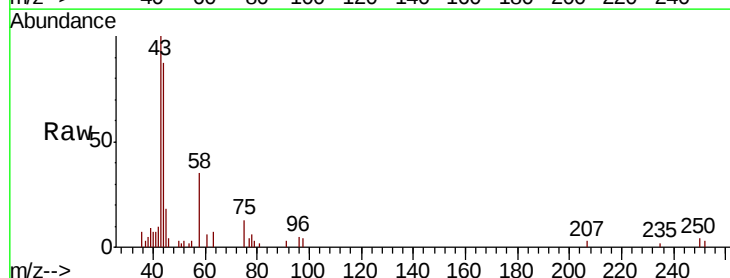
Delta R.T. 0.00 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

Tgt Ion: 43 Resp: 10051

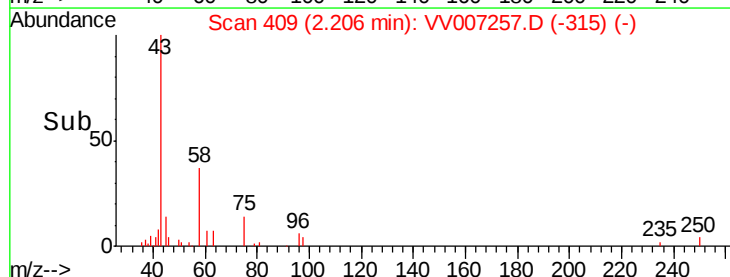
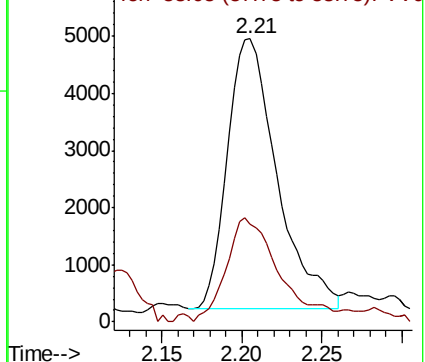
Ion	Ratio	Lower	Upper
43	100		
58	41.1	0.0	70.2

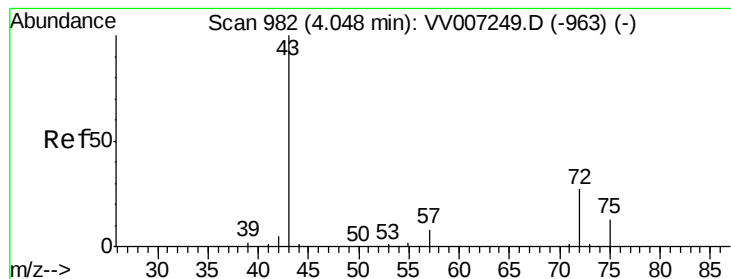


Abundance

Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#21

2-Butanone

Concen: 1.359 ug/L

RT: 4.05 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

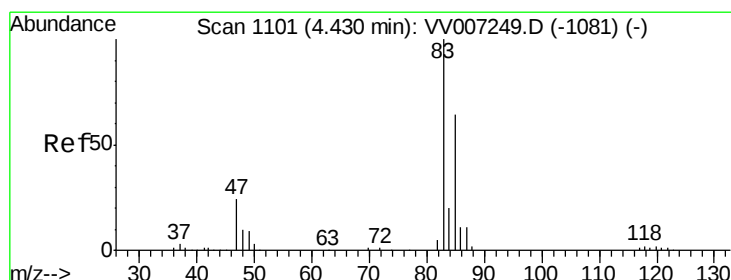
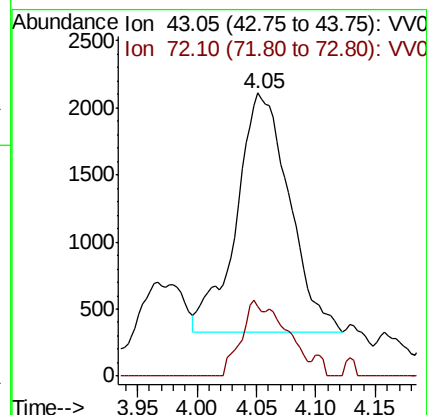
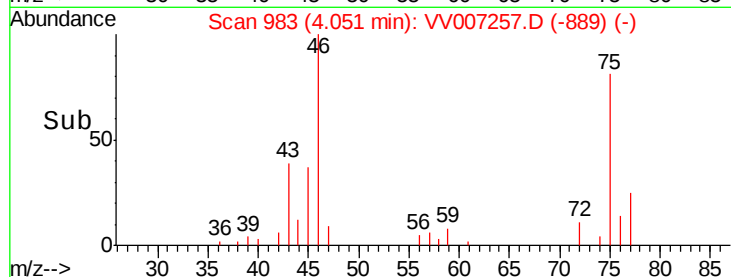
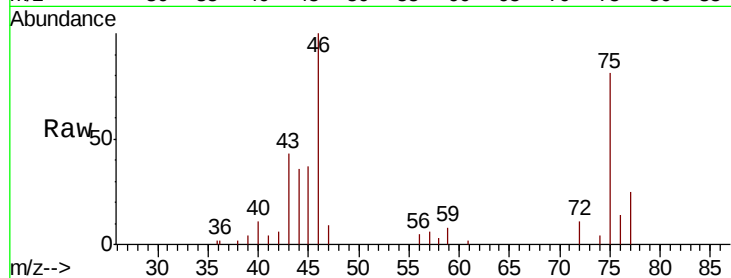
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 5453

Ion Ratio Lower Upper

43 100

72 26.8 12.4 37.0



#25

Chloroform

Concen: 0.410 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007257.D

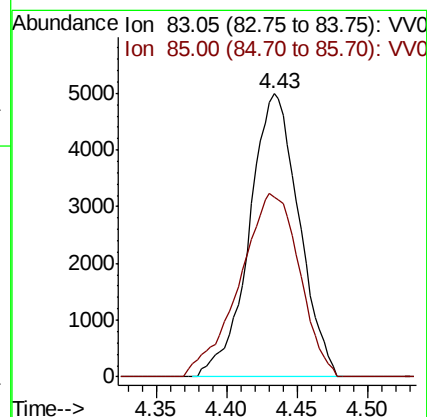
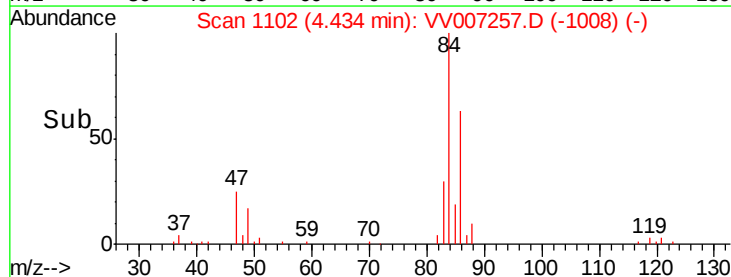
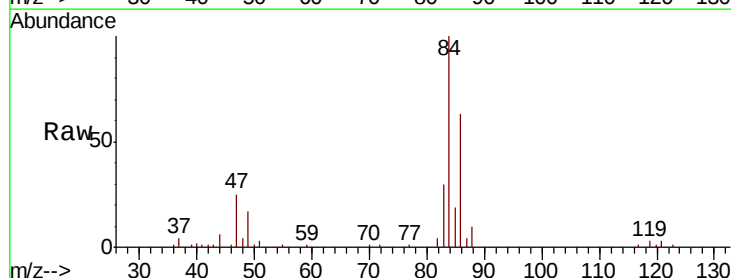
Acq: 29 Aug 2018 14:55

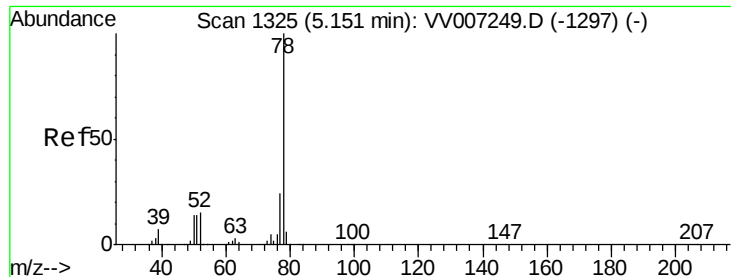
Tgt Ion: 83 Resp: 12230

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6





#33

Benzene

Concen: 6.087 ug/L

RT: 5.15 min Scan# 1325

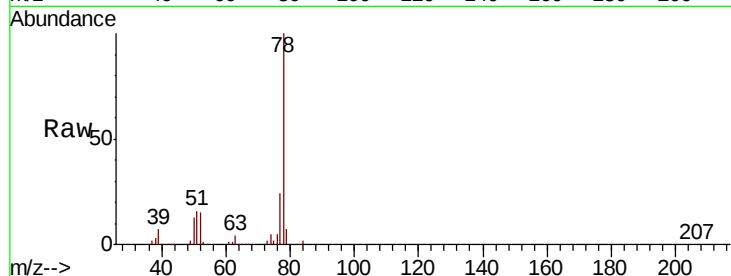
Delta R.T. 0.00 min

Lab File: VV007257.D

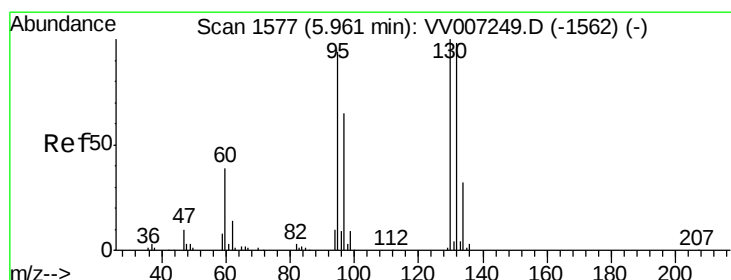
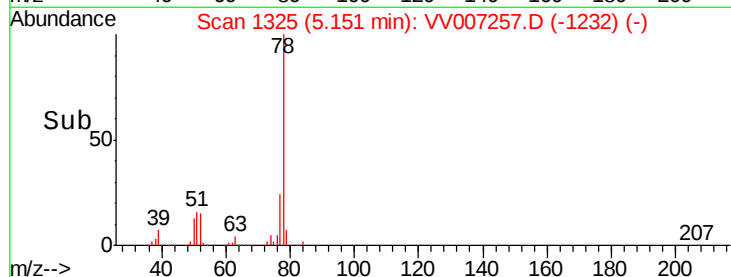
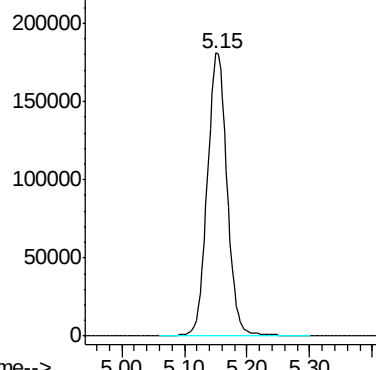
Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 395486



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.564 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

Tgt Ion: 95 Resp: 91179

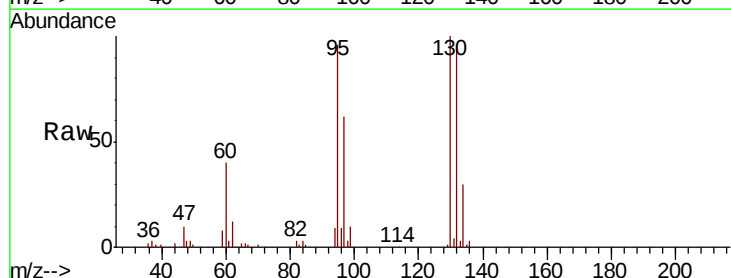
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.2	82.2
132	100.3	71.3	132.3
130	104.0	72.8	135.2

Abundance Ion 95.00 (94.70 to 95.70): VV0

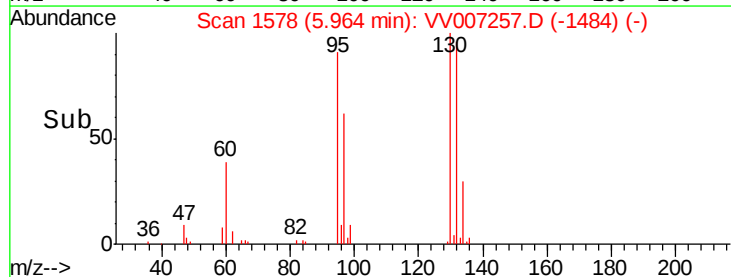
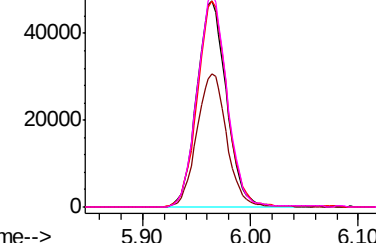
Ion 96.95 (96.65 to 97.65): VV0

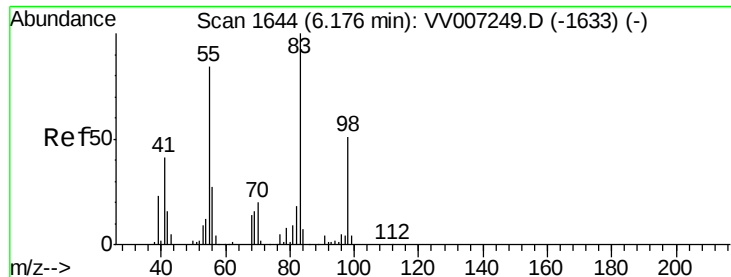
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Abundance

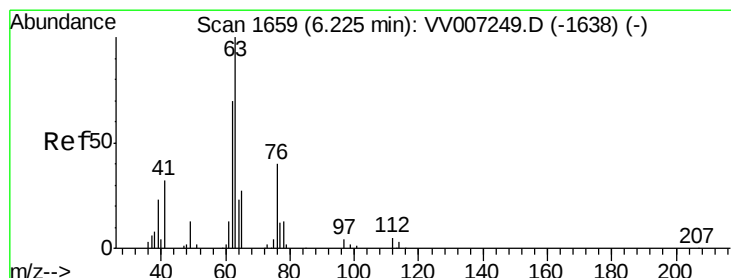
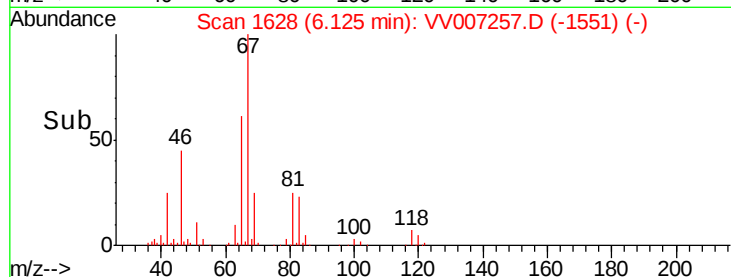
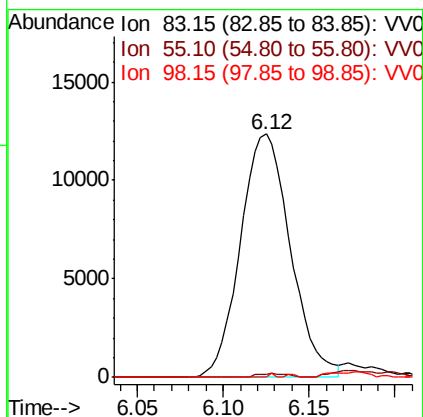
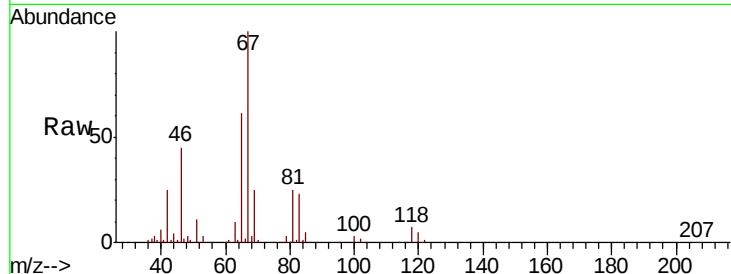




#35
Methvlcvclohexane
Concen: 1.040 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV007257.D
Acq: 29 Aug 2018 14:55

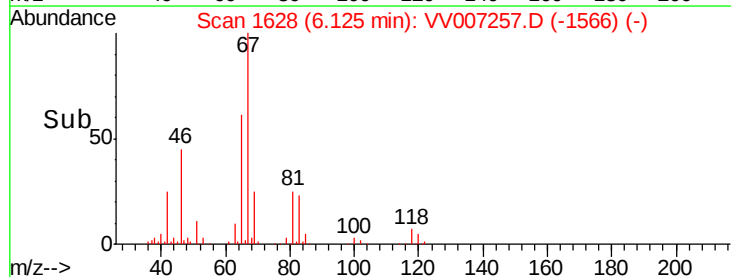
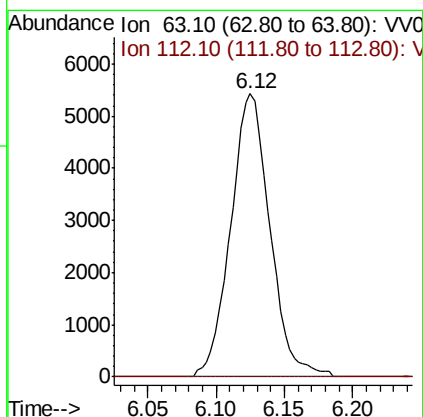
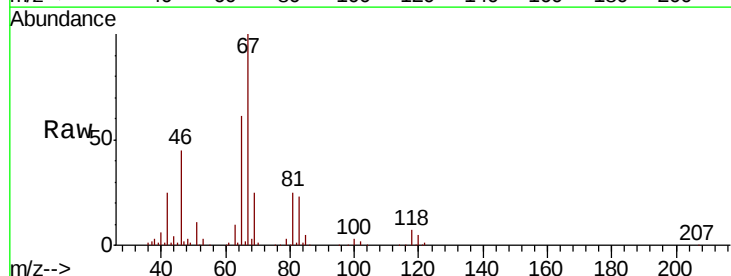
Instrument :
MSVOA_V
ClientSampleId :

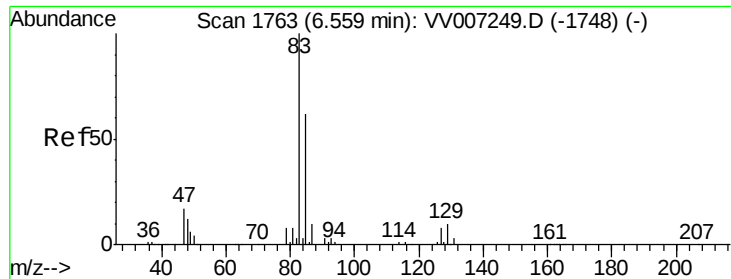
Tot Ion: 83 Resp: 24923
Ion Ratio Lower Upper
83 100
55 0.9 64.0 96.0#
98 0.5 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.628 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VV007257.D
Acq: 29 Aug 2018 14:55

Tgt Ion: 63 Resp: 10833
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#

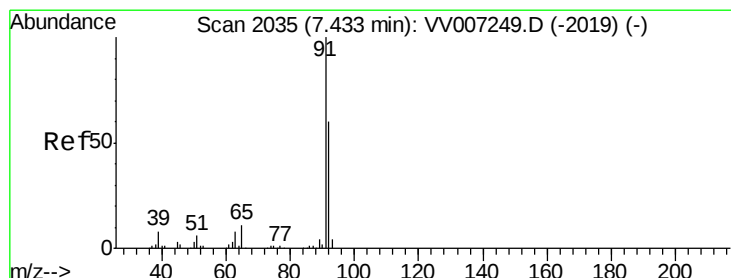
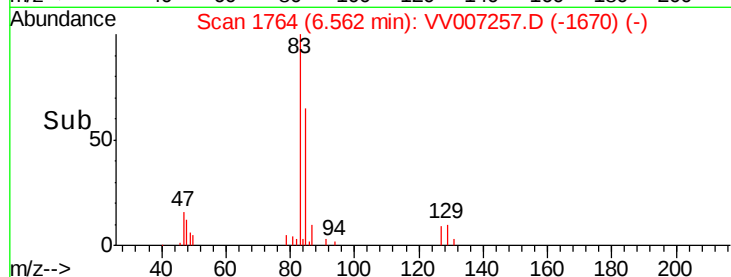
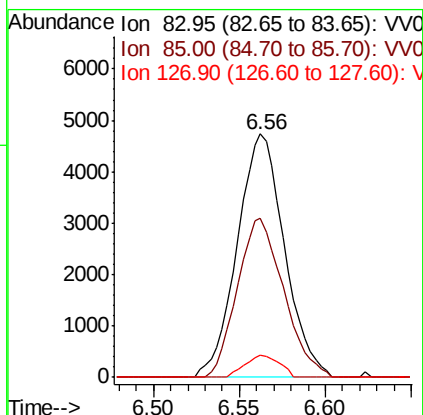
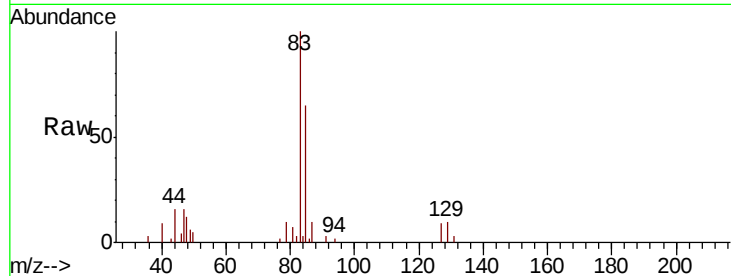




#38
 Bromodichloromethane
 Concen: 0.436 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007257.D
 Acq: 29 Aug 2018 14:55

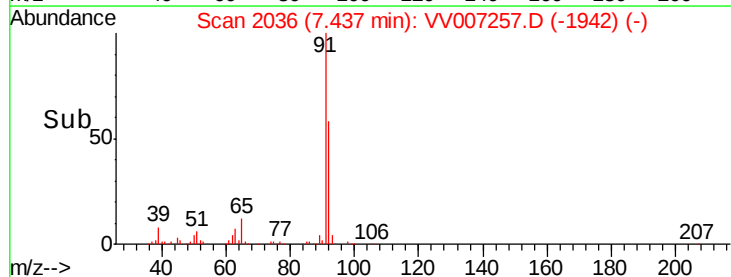
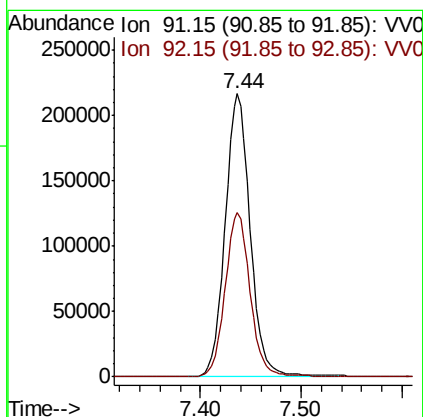
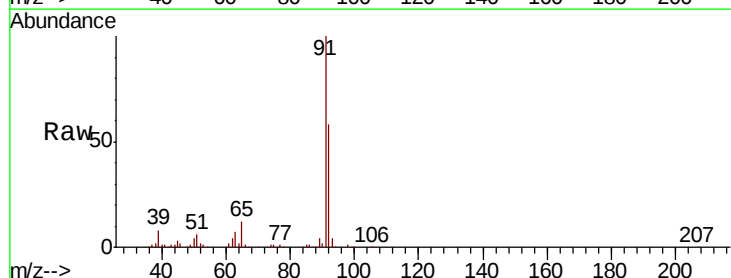
Instrument :
 MSVOA_V
 ClientSampled :

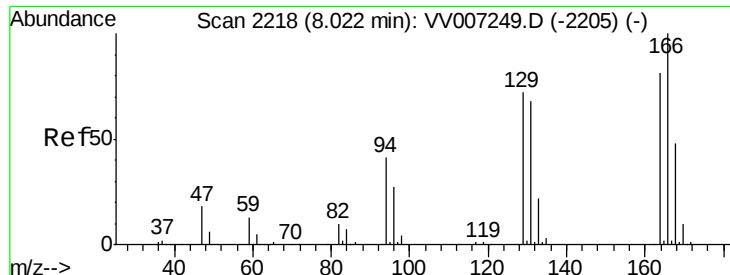
Tot Ion: 83 Resp: 9005
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.5 86.5
 127 9.2 6.6 10.0



#42
 Toluene
 Concen: 5.896 ug/L
 RT: 7.44 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VV007257.D
 Acq: 29 Aug 2018 14:55

Tgt Ion: 91 Resp: 376137
 Ion Ratio Lower Upper
 91 100
 92 58.3 41.1 76.3

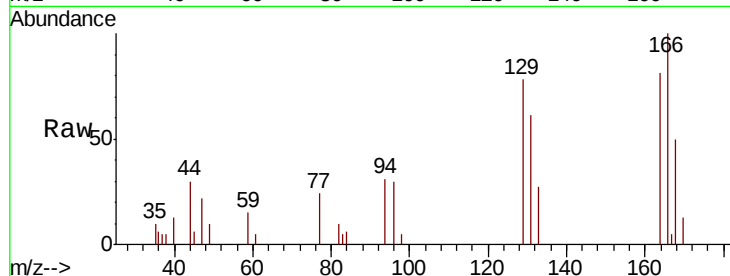




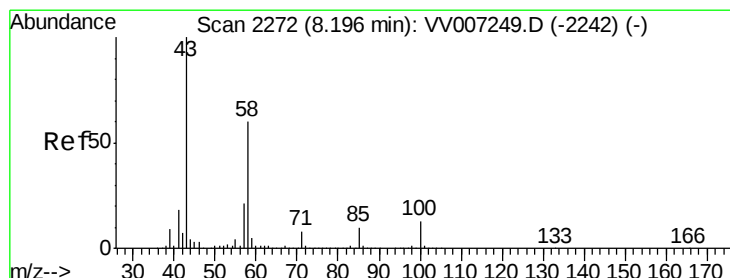
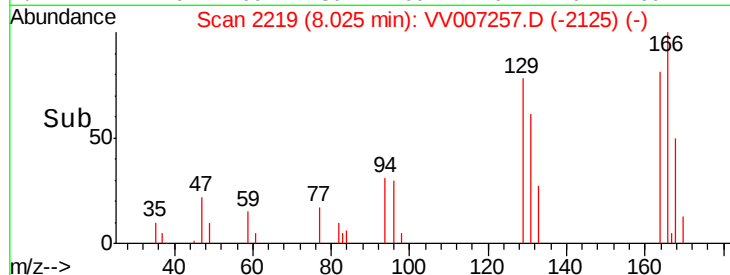
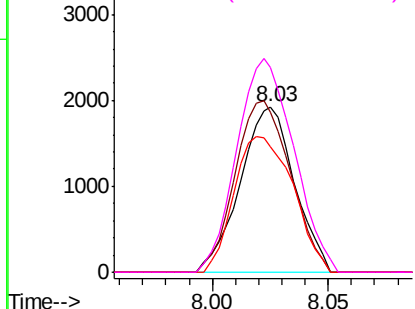
#47
Tetrachloroethene
Concen: 0.231 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VV007257.D
Acq: 29 Aug 2018 14:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3132
Ion Ratio Lower Upper
164 100
129 96.7 62.7 116.5
131 75.5 60.1 111.7
166 124.0 86.4 160.4

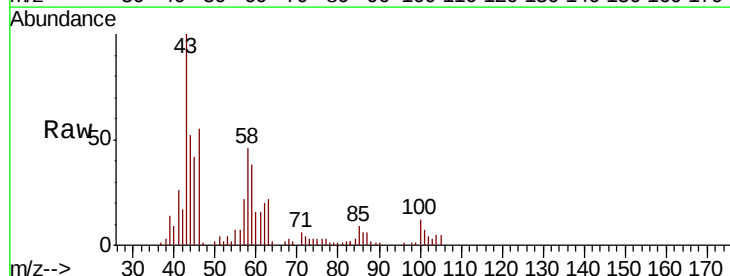


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

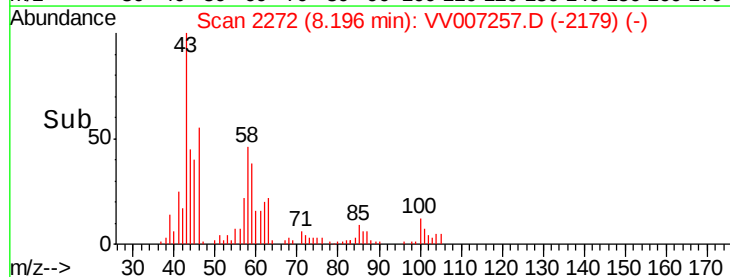
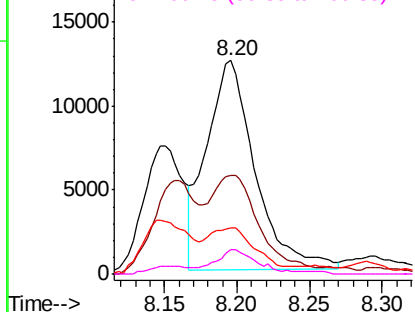


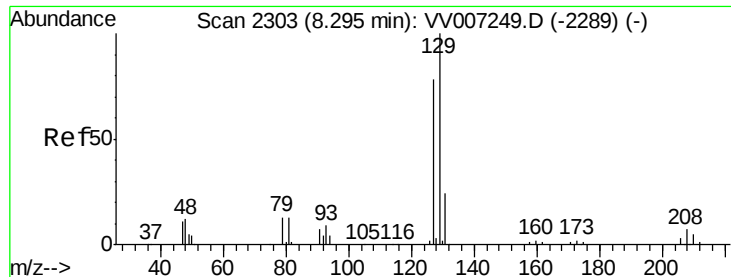
#48
2-Hexanone
Concen: 4.327 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007257.D
Acq: 29 Aug 2018 14:55

Tgt Ion: 43 Resp: 29165
Ion Ratio Lower Upper
43 100
58 42.4 50.0 75.0#
57 18.4 16.6 25.0
100 8.9 10.2 15.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.227 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_V

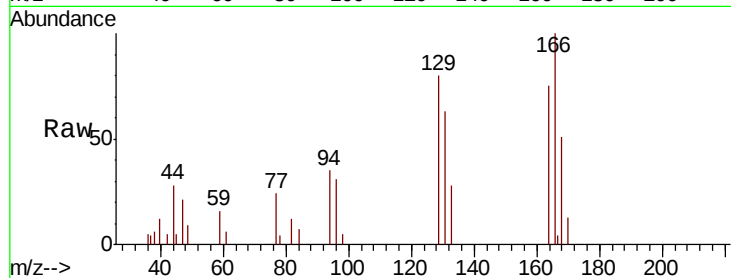
ClientSampleId :

Tot Ion:129 Resp: 3182

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.02

2000

1500

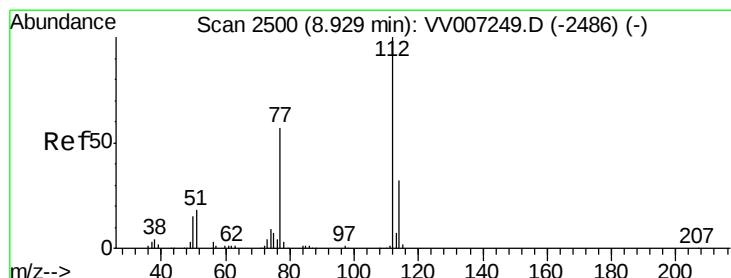
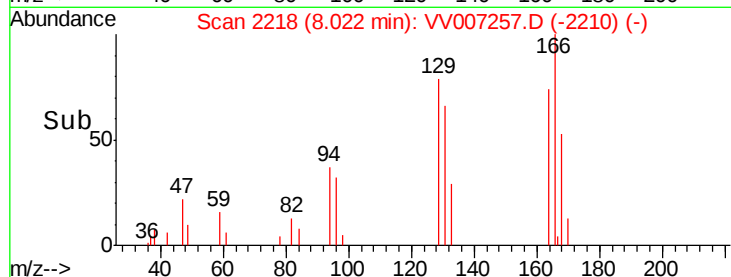
1000

500

0

7.98 8.00 8.02 8.04 8.06

Time-->



#51

Chlorobenzene

Concen: 5.688 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

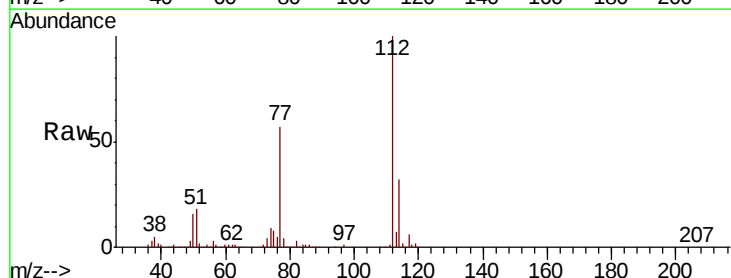
Tgt Ion:112 Resp: 246685

Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

77 56.9 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

8.93

200000

150000

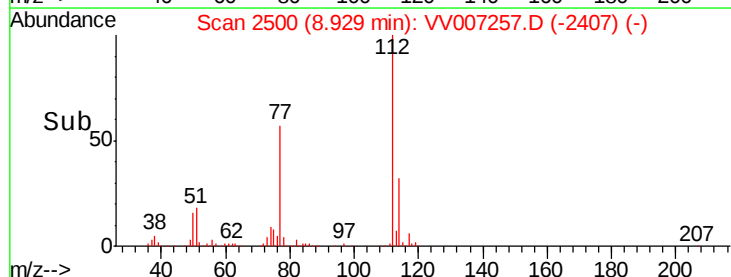
100000

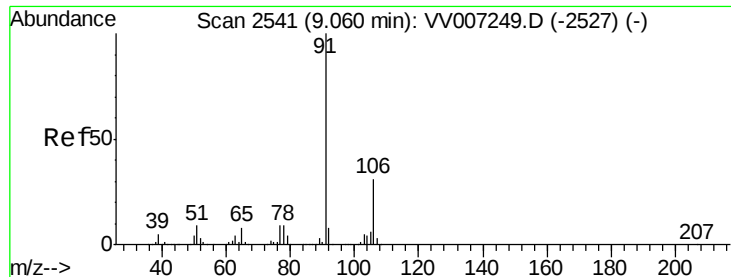
50000

0

8.90 8.93 8.96 8.99 9.02 9.05 9.08 9.11

Time-->





#52

Ethylbenzene

Concen: 10.568 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

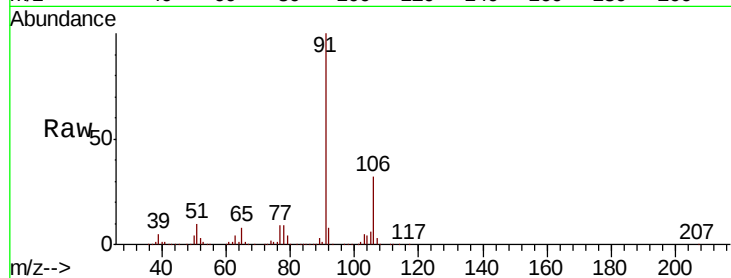
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 677179

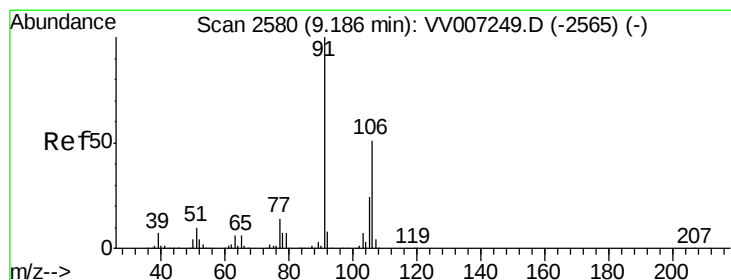
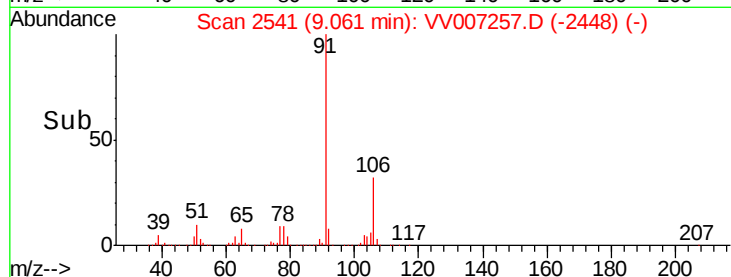
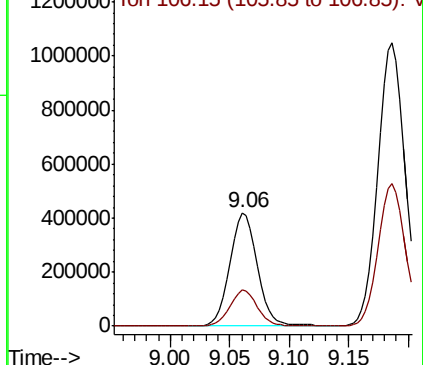
Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV007257.D (-2448) (-)



#53

m,p-xylene

Concen: 35.337 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007257.D

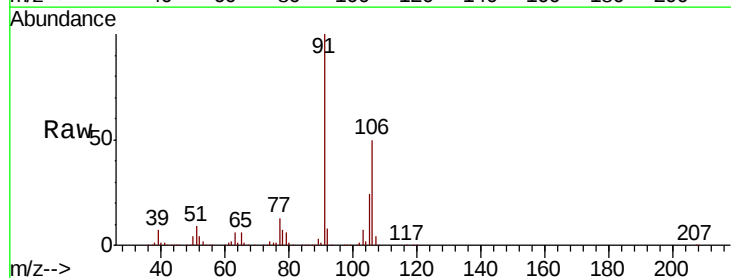
Acq: 29 Aug 2018 14:55

Tgt Ion: 106 Resp: 862302

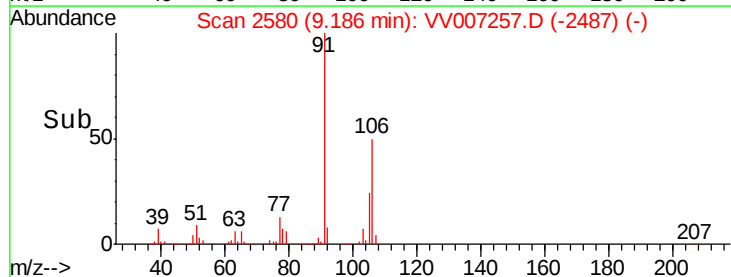
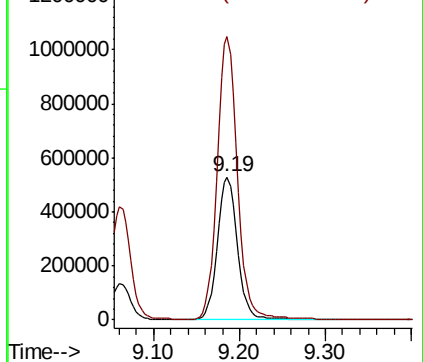
Ion Ratio Lower Upper

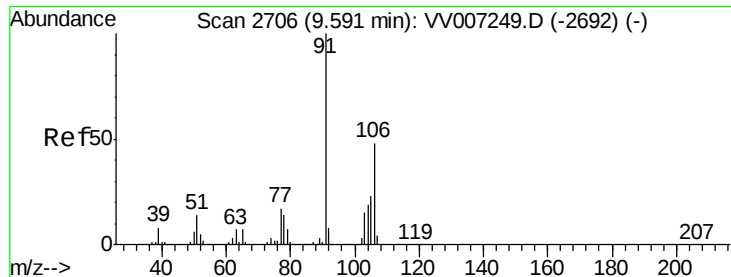
106 100

91 198.3 138.4 257.0



Abundance Ion 106.15 (105.85 to 106.85): VV007257.D (-2487) (-)





#54

o-xylene

Concen: 20.074 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

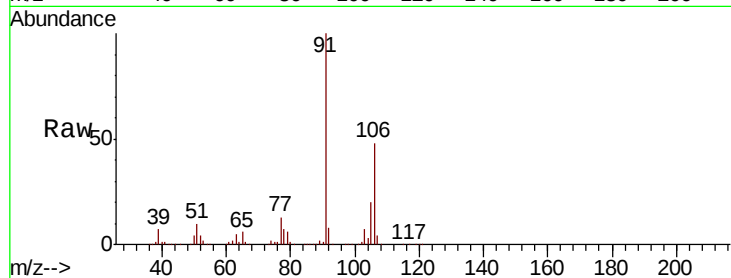
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 455887

Ion Ratio Lower Upper

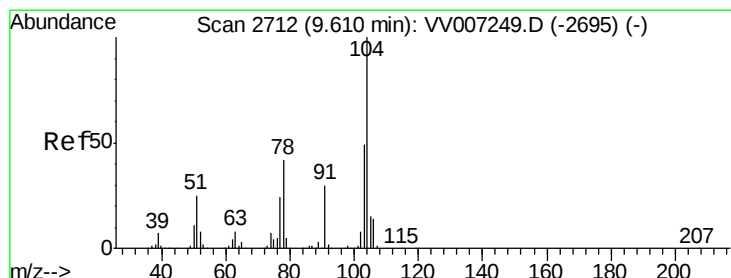
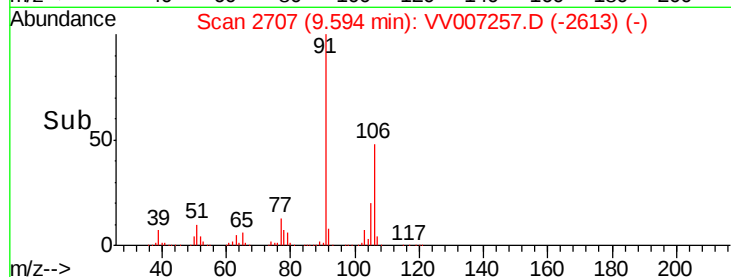
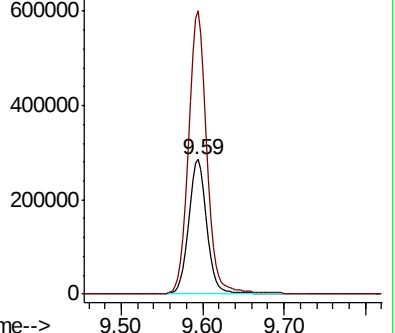
106 100

91 210.2 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.716 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.02 min

Lab File: VV007257.D

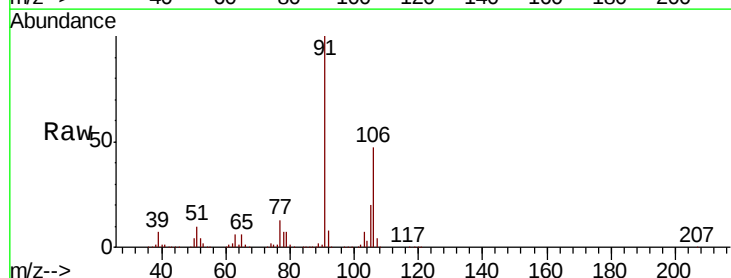
Acq: 29 Aug 2018 14:55

Tgt Ion:104 Resp: 28500

Ion Ratio Lower Upper

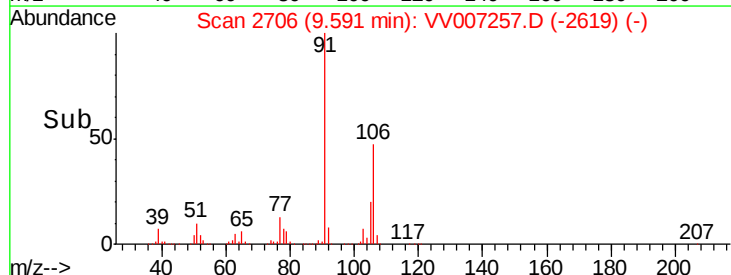
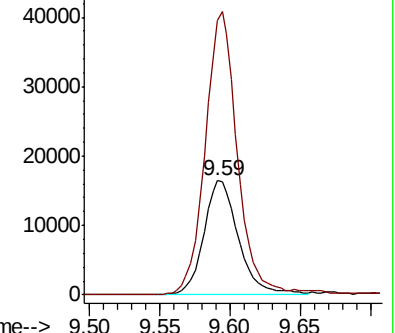
104 100

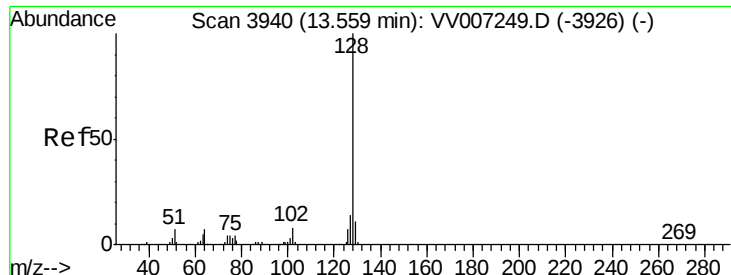
78 241.0 30.2 56.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#69

Naphthalene

Concen: 0.344 ug/L

RT: 13.57 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VV007257.D

Acq: 29 Aug 2018 14:55

Instrument :

MSVOA_V

ClientSampleId :

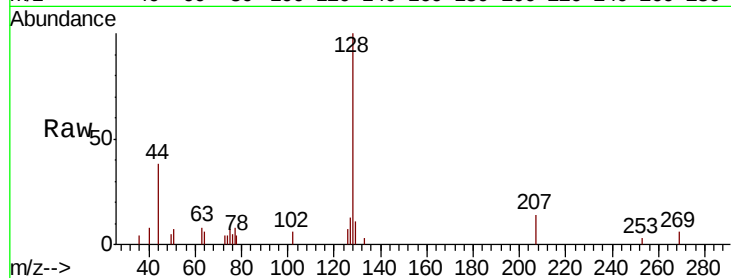
Tot Ion:128 Resp: 6085

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

127 12.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

